

PLANETS

Year Level	SCIENCE	TECHNOLOGY	ENGINEERING	ARTS (LITERACY)	ARTS (MEDIA)	MATHS
PREP	<p>Science Understanding:</p> <p>Chemical sciences Objects are made of materials that have observable properties (ACSSU003)</p> <p>Earth and space sciences Daily and seasonal changes in our environment affect everyday life (ACSSU004)</p> <p>Physical sciences The way objects move depends on a variety of factors, including their size and shape (ACSSU005)</p> <p>Nature and development of science Science involves observing, asking questions about, and describing changes in,</p>	<p>Explore the characteristics and properties of materials and components that are used to produce designed solutions (ACTDEK004)</p>	<p>Explore how technologies use forces to create movement in products (ACTDEK002)</p>			<p>Shape Sort, describe and name familiar two-dimensional shapes and three-dimensional objects in the environment (ACMMG009)</p> <p>Location and transformation Describe position and movement (ACMMG010)</p>

	<p>objects and events (ACSHE013)</p> <p>Science Inquiry Skills</p> <p>Questioning and predicting Pose and respond to questions about familiar objects and events (ACSIS014)</p> <p>Planning and conducting Participate in guided investigations and make observations using the senses (ACSIS011)</p> <p>Processing and analysing data and information Engage in discussions about observations and represent ideas (ACSIS233)</p> <p>Communicating: Share observations and ideas (ACSIS012)</p>					
YEAR ONE	Physical sciences	Explore the characteristics and	Knowledge and Understanding			Shape

	<p>Light and sound are produced by a range of sources and can be sensed (ACSSU020)</p> <p>Science as a Human Endeavour</p> <p>Nature and development of science Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE021 - Scootle)</p> <p>Use and influence of science People use science in their daily lives, including when caring for their environment and living things (ACSHE022 - Scootle)</p> <p>Science Inquiry Skills</p>	<p>properties of materials and components that are used to produce designed solution (ACTDEK004)</p>	<p>Identify how people design and produce familiar products, services and environments and consider sustainability to meet personal and local community needs (ACTDEK001)</p> <p>Explore how technologies use forces to create movement in products (ACTDEK002)</p>			<p>Recognise and classify familiar two-dimensional shapes and three-dimensional objects using obvious features (ACMMG022)</p>
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<p>Questioning and predicting Pose and respond to questions, and make predictions about familiar objects and events (AC SIS024)</p> <p>Planning and conducting Participate in guided investigations to explore and answer questions (AC SIS025)</p> <p>Processing and analysing data and information Use a range of methods to sort information, including drawings and provided tables and through discussion, compare observations with predictions (AC SIS027)</p> <p>Evaluating Compare observations with those of others (AC SIS213 - Scootle)</p>					
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	<p>Communicating Represent and communicate observations and ideas in a variety of ways (AC SIS029)</p>					
YEAR TWO	<p>Physical sciences A push or a pull affects how an object moves or changes shape (ACSSU033) Science as a Human Endeavour</p> <p>Nature and development of science Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE034)</p> <p>Science Inquiry Skills</p> <p>Questioning and predicting</p>	<p>Explore the characteristics and properties of materials and components that are used to produce designed solution (ACTDEK004)</p>			<p>Use and experiment with different materials, techniques, technologies and processes to make artworks (ACAVAM107)</p> <p>Create and display artworks to communicate ideas to an audience (ACAVAM108)</p>	

<p>Pose and respond to questions, and make predictions about familiar objects and events (AC SIS037)</p> <p>Planning and conducting</p> <p>Participate in guided investigations to explore and answer questions (AC SIS038 - Scootle)</p> <p>Use informal measurements to collect and record observations, using digital technologies as appropriate (AC SIS039)</p> <p>Processing and analysing data and information</p> <p>Use a range of methods to sort information, including drawings and provided tables and through discussion, compare observations with predictions (AC SIS040)</p> <p>Evaluating</p>					
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	<p>Compare observations with those of others (AC SIS041)</p> <p>Communicating</p> <p>Represent and communicate observations and ideas in a variety of ways (AC SIS042)</p>					
YEAR THREE		<p>Critique needs or opportunities for designing and explore and test a variety of materials, components, tools and equipment and the techniques needed to produce designed solution(ACTDEP014)</p> <p>Generate, develop, and communicate design ideas and decisions using appropriate technical terms and graphical representation techniques (ACTDEP015)</p> <p>Select and use materials, components,</p>		<p>Creating literature</p> <p>Create imaginative texts based on characters, settings and events from students' own and other cultures using visual features, for example perspective, distance and angle (ACELT1601)</p>		<p>Shape</p> <p>Make models of three-dimensional objects and describe key features (ACMMG063)</p>

		<p>tools, equipment and techniques and use safe work practices to make designed solutions (ACTDEP016)</p> <p>Evaluate design ideas, processes and solutions based on criteria for success developed with guidance and including care for the environment (ACTDEP017)</p> <p>Plan a sequence of production steps when making designed solutions individually and collaboratively(ACTDEP018)</p>					
YEAR FOUR		<p>Critique needs or opportunities for designing and explore and test a variety of materials, components, tools and equipment and the techniques needed to</p>				<p>Geometric reasoning</p> <p>Compare angles and classify them as equal to, greater than, or less than, a right angle (ACMMG089)</p>	

		<p>produce designed solution(ACTDEP014) Generate, develop, and communicate design ideas and decisions using appropriate technical terms and graphical representation techniques (ACTDEP015) Select and use materials, components, tools, equipment and techniques and use safe work practices to make designed solutions (ACTDEP016) Evaluate design ideas, processes and solutions based on criteria for success developed with guidance and including care for the environment (ACTDEP017) Plan a sequence of production steps when making designed solutions individually</p>					
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		and collaboratively(ACTD EP018)					
YEAR FIVE						<p>Geometric reasoning Estimate, measure and compare angles using degrees. Construct angles using a protractor (ACM MG112)</p> <p>Data representation and interpretation Pose questions and collect categorical or numerical data by observation or survey (ACMSP118)</p>	
YEAR SIX						<p>Solve problems involving the comparison of lengths and areas using appropriate units (ACMMG137)</p> <p>Location and transformation Investigate combinations of</p>	

						<p>translations, reflections and rotations, with and without the use of digital technologies (ACM MG142)</p> <p>Geometric reasoning</p> <p>Investigate, with and without digital technologies, angles on a straight line, angles at a point and vertically opposite angles. Use results to find unknown angles (ACMMG141)</p>	
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